

NSLS OHSAS Job Risk Assessment

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Name(s) of Risk Team Members: J. Aloï, A. Borrelli, J. Oliva, A. Santiago	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Troubleshooting energized electrical equipment in range B. Job Number or Job Identifier: LS-JRA-0003	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Performing diagnostic voltage measurements on energized electrical equipment in range B.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional):	Likelihood (D)	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Approved by: W. R. Casey Date: 8/30/05 Rev. #: 1 Revision Log						
Stressors (if applicable, please list all):		Reason for Revision (if applicable):			Comments:	

		Before Controls							After Initial Controls						After Additional Controls					
Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction

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Voltage measurement on energized electrical conductors	Electrocution		1	3	5	5	75	Training, proper grounding, NFPA 70E compliant PPE, standards & procedures, proper CAT meter, energized work permit, proper lighting	1	3	5	1	15							
	Electrical Shock		1	3	3	5	45	Training, proper grounding, NFPA 70E compliant PPE, standards & procedures, proper CAT meter, energized work permit, proper lighting	1	3	3	1	9							

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	Arc Flash		1	3	5	5	75	Training, proper grounding, equipment design (NRTL approved), NFPA 70E compliant PPE, standards & procedures, proper CAT meter, energized work permit, proper lighting	1	3	3	2	18							
	Reflex Injury		1	3	5	5	75	Training, proper grounding, proper equipment design (NRTL approved), standards & procedures, NFPA 70E compliant PPE, proper CAT meter, energized work permit, proper lighting	1	3	5	1	15							

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Further Description of Controls Added to Reduce Risk:																						
*Risk:	0 to 20 Negligible	21 to 40 Acceptable						41 to 60 Moderate					61 to 80 Substantial					81 or greater Intolerable				